Introduction

It is a combination 10/100Mbps Fast Ethernet controller is a high performance and highly integrated ASIC with embedded SSRAM for packet buffering. It enables low cost and affordable Fast Ethernet network connection to desktop, notebook PC, and embedded system using popular USB ports. It has an USB interface to communicate with USB host controller and is compliant with USB specification V1.0, V1.1, and V2.0. It implements 10/100Mbps Ethernet LAN function based on IEEE802.3, and IEEE802.3u standards.

The DM9621A integrates an on-chip 10/100Mbps Ethernet PHY to simplify system design and provides an optional Reduce media-independent interface(RMII)

USB 2.0 Device Controller

- Supports High-Speed (480Mbps) and Full-Speed (12Mbps) modes
- USB Specification 2.0 Compliant
- Integrated USB 2.0 Hi-Speed PHY
- Supports all USB Standard Commands
- Supports Five Vendor Specific Commands
- Supports USB Suspend/Resume Detection Logic
- Supports 4 endpoints (Control, Interrupt, Bulk_in, Bulk_OUT)

LAN

- For 10/100M LAN port RJ45
- Compliant with USB 2.0 and USB 1.1 specifications
- Compliant with IEEE 802.3 (10Base-T) and 802.3u (100Base-TX) standards
- Supports both full-duplex and half-duplex operations
- Powered by USB port. No external power adapter required

Package Contents

- 1x USB 2.0 Ethernet Adapter
- 1x User Manual

System Requirements

Operating Systems:

1. Windows CE5.0&6.0 98, 2000, 2003, XP , Vista and Windows7/8
2. Linux 2.4&2.6
3. MAC OS X V10.5
4. Android 1.5, 1.6, 2.0/1/2/3, 3. 0
5. Ubuntu 11.04

One available USB port

Hardware Connection

General instructions for installing the USB 2.0 Ethernet Adapter are provided below. Since the design of system may vary, refer to your system's reference manual for further information, if needed.

1. At the Windows desktop right click "my computer-Properties" dialog box pops up as follows
2. Choose "Hardware", select "Windows Update"and "Ask me to search Windows Update every time I connect a new device", please click "OK"
3. Choose "Automatic Update", select "Download updates for me choose when to install them", please click "Apply" and "OK"
4. Connect the Ethernet adapter to a free USB port
5. Found New Device"will apper, Select "Install the software automatically (Recommended)", click Next.....Finish.
6. Restart windows to complete the installation

Getting the latest Driver

Please go to http://www.iocrest.com/en/download.html

1. Select and download DM96XX. RAR into your desired operating system driver.
2. Locate and double-click the **DM96xx_Driver V1.0.4.0.**
3. When you see the screen below
4. Connect the Ethernet adapter to a free USB port.
5. **"Found New Device"** will apper. and At the Found New Hardware Wizard, click **Next... Finish**.

Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

The Link LED should light up Red to indicate a proper physical connection between the adapter and the network. If the Link LED doesn't light up, please verify the cable connections between all the network devices.

****Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.**

Verifying the Driver Installation

On windows 2000/2003/XP/Vista/7

Once you finish the installation, you can open Windows **Device Manager** to verify if your Ethernet adapter is properly installed.

To access the Device Manager:

On Windows Vista/7: Right-click **Computer** on the desktop and click Properties > Device Manager.

On Windows 2000/2003/XP: Right-click **My Computer** on the desktop and click **Properties > (Hardware) > Device Manager**.

In the **Network adapters** group, an item named **DM9621A USB To Fast Ethernet Adapter (KMDF)** should be displayed.

If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item, select the Delete the driver software for this device option (if provided), unplug the adapter from your computer and then repeat the installation steps.